





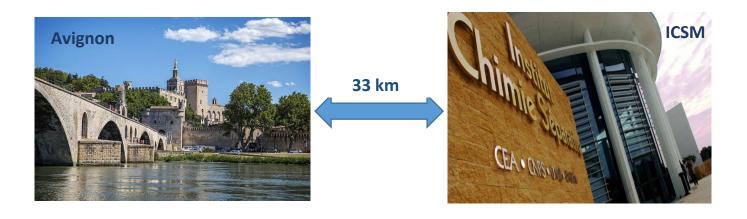


### INTERNATIONAL SCHOOL IN SONOCHEMISTRY ESS – GDR CAVITATION

Organized by European Society of Sonochemistry (ESS) and French GDR CAVITATION at Marcoule Institute for Separation Chemistry (ICSM), France

Information: <a href="https://gdr-cavitation.cnrs.fr/">https://gdr-cavitation.cnrs.fr/</a> and <a href="https://www.icsm.fr/">https://gdr-cavitation.cnrs.fr/</a> and <a href="https://www.icsm.fr/">https://www.icsm.fr/</a>

# From June 7th to June 9th, 2023



- ✓ The school is designed for young researchers, PhD students and postdoctorates
- ✓ The main objective of this school is the practical training works in the laboratories of ICSM
- ✓ Lectures will provide fundamental knowledge on piezo transducers, acoustic cavitation, acoustic noise spectra, and sonochemical dosimetry

# Limited to 20 participants

Registration fees: PhD students and post-doctorates – 100 €, academic researchers – 150 €, industrials – 300 €

Contact for registration: Sergey Nikitenko (<u>serguei.nikitenko@cea.fr</u>) and Jean-Yves Hihn (<u>jean-yves.hihn@univ-fcomte.fr</u>)

#### **PROGRAMME**

# Day 1 Wednesday, June 7th

4000	<b></b> : I	•		
10:30	Pick-u	ın ın	ΔVIØn	ุกท
10.30	FICK-C	111 W	AVIEL	v

Hotel IBIS Center Train Station - 42 bd St ROCH - 84100 Avignon

Minibuses transfer to Marcoule – ICSM (Minibuses booked by ICSM)

- 11:30 Registration and lunch at ICSM
- 13:30 Introduction by ESS and GDR and program presentation
- 14:00 Lectures
  - Bubble dynamics and cavitation (RAPSODEE EMT Albi)
  - Piezo transducers and acoustic noise spectra (UTINAM Besançon)
  - Calorimetry and chemical dosimetry (ICSM Marcoule)
- 17:00 Presentation of practical training and formation of work groups
- 17:30 Transportation from ICSM to Avignon
- 19:30 Dinner in a restaurant in Avignon

### Day 2 Thursday, June 8th

#### 7:30 Pick-up in Avignon

Hotel IBIS Center Train Station - 42 bd St ROCH - 84100 Avignon

Minibuses transfer to Marcoule - ICSM

- 8:30 Reception of participants with coffee
- 8:45 Practical training (rotation on 4 different workshops)

Training works includes sonochemical dosimetry with Ti(IV) and I<sub>3</sub>- dosimetric systems, thermal probe characterization of delivered ultrasonic power, demonstration of the piezoelectric effect, characterization of cavitation with acoustic spectra from hydrophones

- 12:15 Lunch
- 13:15 Participants group photo in front of ICSM
- 14:00 Continuation of the practical training
- 16:30 Preliminary discussion of the results obtained during the practical works
- 17:00 Transfer from ICSM to Avignon
- 19:30 Dinner in a restaurant in Avignon

# Day 3 Friday, June 9th

# 7:30 Pick-up in Avignon

Hotel IBIS Center Train Station - 42 bd St ROCH - 84100 Avignon

Minibuses transfer to Marcoule - ICSM

8:30 Reception of participants with coffee

9:00 Discussion about results of practical training – reports redaction

12:00 Concluding remarks and lunch at ICSM

14:00 Transfer from ICSM to Avignon

# PRACTICAL INFORMATIONS

#### Hotels in Avignon intra muros

Hotel IBIS Center Train Station

https://ibisavignoncentregare.com-hotel.com/en/

Régina Boutique Hôtel

https://www.hotelregina-avignon.fr/

Hôtel IBIS Avignon Centre Pont de l'Europe

https://all.accor.com/hotel/1362/index.fr.shtml

Appart 'Hôtel Sainte-Marthe

https://www.aparthotel-avignon.com/

Hôtel IBIS budget Avignon Centre

https://all.accor.com/hotel/2603/index.fr.shtml?utm\_campaign=seo+maps&utm\_medium=seo+maps&utm\_source=google+Maps

#### **Map of Avignon Centre**

Avignon Map - Free PDF download | INSIDR Travel Guide